

Name _____

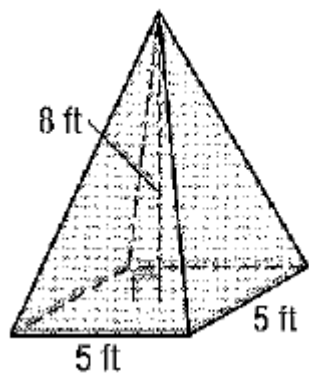
Date _____

201 Pyramids and Cones worksheet

$$LA = \frac{1}{2} p l$$

$$SA = LA + B$$

$$V = \frac{1}{3} B h$$



1. $l =$ _____

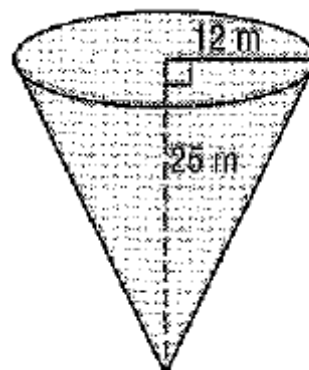
$p =$ _____

$B =$ _____

$LA =$ _____

$SA =$ _____

$V =$ _____



2. $l =$ _____

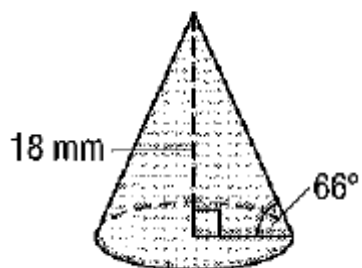
$p =$ _____

$B =$ _____

$LA =$ _____

$SA =$ _____

$V =$ _____

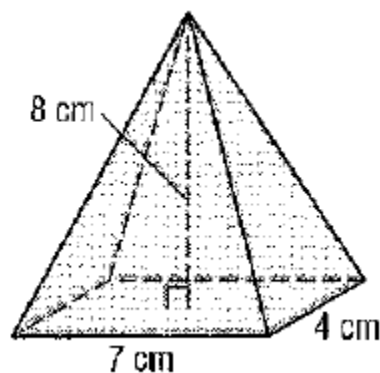


3.

$r =$ _____

$B =$ _____

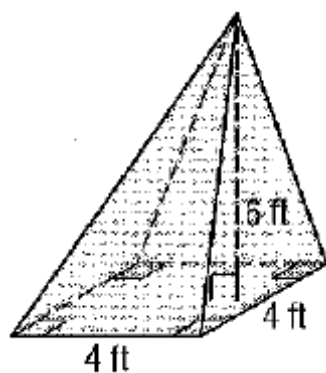
$V =$ _____



4.

$B =$ _____

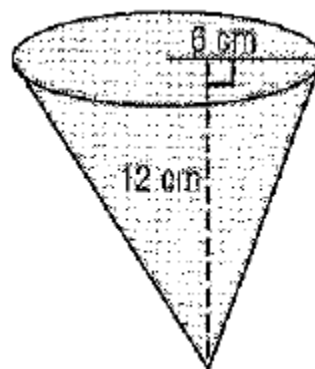
$V =$ _____



5. Find the volume of the oblique pyramid.

$B =$ _____

$V =$ _____



6. Find the volume of the oblique cone.

$B =$ _____

$V =$ _____

The following pictures are regular triangular pyramids.
Remember to redraw the base!

7. $BM = \underline{\hspace{2cm}}$

$OM = \underline{\hspace{2cm}}$

$OC = \underline{\hspace{2cm}}$

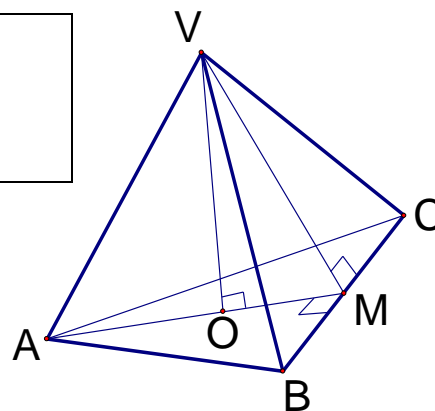
$OA = \underline{\hspace{2cm}}$

$AM = \underline{\hspace{2cm}}$

$h = \underline{\hspace{2cm}}$

$l = \underline{\hspace{2cm}}$

Given:
 $BC = 6$
 $VA = 4$



8. $OM = \underline{\hspace{2cm}}$

$OA = \underline{\hspace{2cm}}$

$BM = \underline{\hspace{2cm}}$

$BC = \underline{\hspace{2cm}}$

$p = \underline{\hspace{2cm}}$

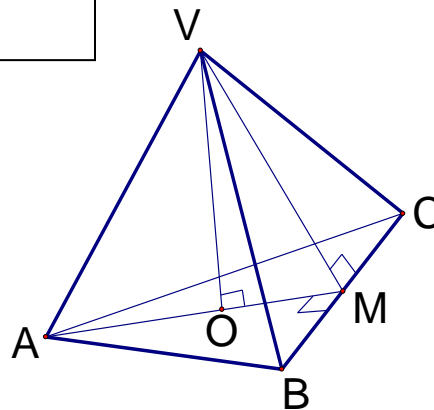
$B = \underline{\hspace{2cm}}$

$LA = \underline{\hspace{2cm}}$

$SA = \underline{\hspace{2cm}}$

$V = \underline{\hspace{2cm}}$

Given:
 $h = 4$
 $l = 5$



9.

OA = _____

OM = _____

$l =$ _____

MC = _____

BC = _____

$p =$ _____

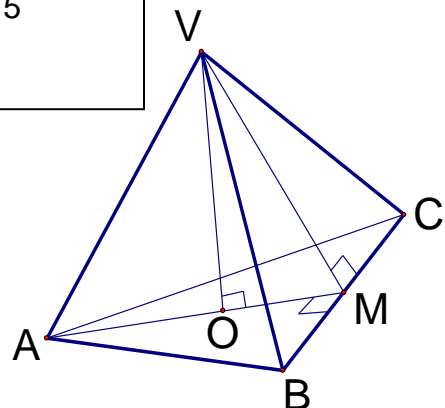
B = _____

LA = _____

SA = _____

V = _____

Given:
 $VA = 5$
 $h = 3$



10.

VC = _____

BC = _____

MC = _____

$l =$ _____

OM = _____

$h =$ _____

$p =$ _____

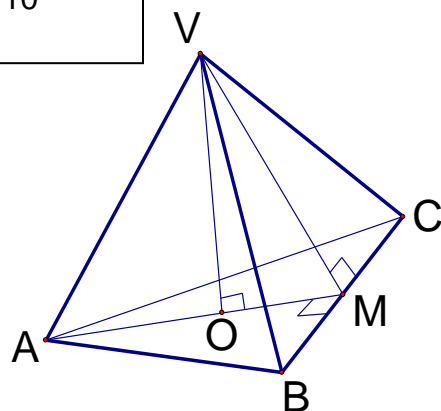
B = _____

LA = _____

SA = _____

V = _____

Given:
 $AB = 12$
 $VA = 10$



11.

BM = _____

OM = _____

OA = _____

$VA = 6$

$h =$ _____

B = _____

SA = _____

V = _____

Given:
 All edges are 6

